

[54] **METHOD OF PREPARING A CATHODE BY HIGH AND LOW TEMPERATURE ELECTROPLATING OF CATALYTIC AND SACRIFICIAL METALS, AND ELECTRODE PREPARED THEREBY**

[75] **Inventor:** Thomas A. Rechlicz, Corpus Christi, Tex.

[73] **Assignee:** PPG Industries, Inc., Pittsburgh, Pa.

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[58] **Field of Search** 204/40, 43 Z, 43 T, 204/43 R, 43 S, 43 N, 44, 291, 293-294, 35 R

[56]

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Primary Examiner—R. L. Andrews

Attorney, Agent, or Firm—Richard M. Goldman

[57]

ABSTRACT

Disclosed is a method of forming a cathode by electroplating a sacrificial metal and a catalytic metal from an electroplating solution onto an electroconductive substrate. Initial electrodeposition is carried out at a high temperature to preferentially electroplate the catalytic metal, the electroplating solution is then cooled, and thereafter the electrodeposition is carried out at a lower temperature to codeposit sacrificial metal and catalytic metal. Also disclosed is an electrode prepared thereby.

28 Claims, No Drawings